This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A method of identifying agents that regulate the transcriptional activating activity of human androgen receptor, or estrogen receptor β, comprising:

contacting a cell expressing human androgen receptor or human estrogen receptor β, and, human skeletal muscle LIM-protein 3, or a̲ biologically-active ~~derivatives~~ derivative̲ thereof, with a test agent; and

determining whether said test agent regulates the transcriptional activating activity of human androgen receptor or estrogen receptor β,̲

wherein said biologically-active derivative is at least 90% homologous to human skeletal muscle LIM-protein3 and functions as a co-activator for androgen receptor and estrogen receptor β.

2.   (Previously presented) A method of claim 1, wherein said cell is a 293 cell or a yeast cell.

3.   (Previously presented) The method of claim 1, wherein said determining is measuring transcription of a gene activated by human androgen receptor or human estrogen receptor β.

4.   (Previously presented) The method of claim 1, wherein said human androgen receptor or human estrogen receptor β is a chimeric protein comprising a GAL4 binding domain and skeletal muscle LIM-protein 3 is a chimeric protein comprising a GAL4 activator domain.

5.   (Previously presented) A method of claim 4, wherein said cell is a yeast cell comprising a β-galactosidase reporter gene.

6.   (Previously presented) A method of claim 5, where said yeast cell is Saccharomyces cerevisiae

7.   (Previously presented) A method of claim 4, wherein said determining is measuring β-galactosidase activity.

8.   (Previously presented) A method of claim 5, wherein said determining is measuring β-galactosidase activity.

9.   (Previously presented) A method of claim 1, where said agent is an antagonist or an agonist.

13.   (Currently Amended) A method of identifying ~~agents that regulate~~ an agent that regulates the transcriptional activating activity of human androgen receptor or estrogen receptor β, comprising:

contacting a cell expressing human androgen receptor or human estrogen receptor β, and human skeletal muscle LIM-protein3, or an allelic ~~modification~~ derivative thereof, with a test agent; and

determining whether said test agent regulates the transcriptional activating activity of human androgen receptor or human estrogen receptor β,

wherein said allelic derivative is at least 90% homologous to human skeletal muscle LIM-protein3 and maintains at least 80% of the activity of human skeletal muscle LIM-protein3 as a co-activator for androgen receptor and estrogen receptor β.

14.   (Currently Amended) A method of identifying ~~agents that regulate~~ an agent that regulates the transcriptional activating activity of human androgen receptor or estrogen receptor β, comprising:

contacting a cell expressing human androgen receptor or human estrogen receptor β, and human skeletal muscle LIM-protein3, with a test agent; and

determining whether said test agent regulates the transcriptional activating activity of human androgen receptor or human estrogen receptor β.